

FIGURE 1

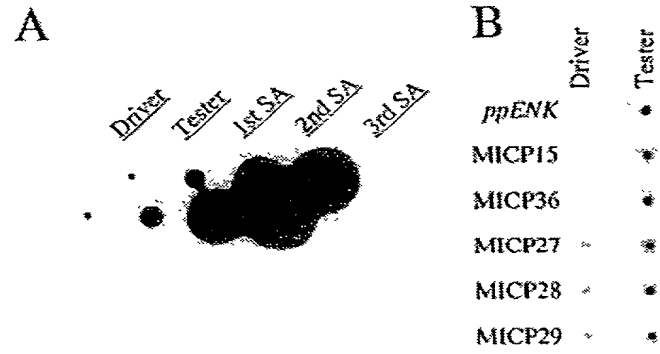
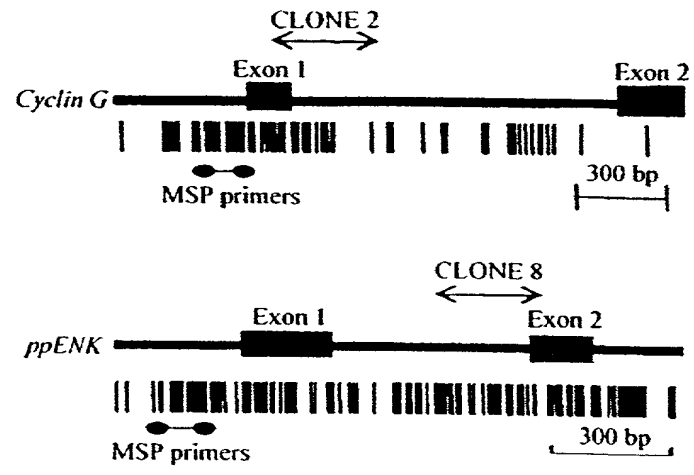


FIGURE 2



|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

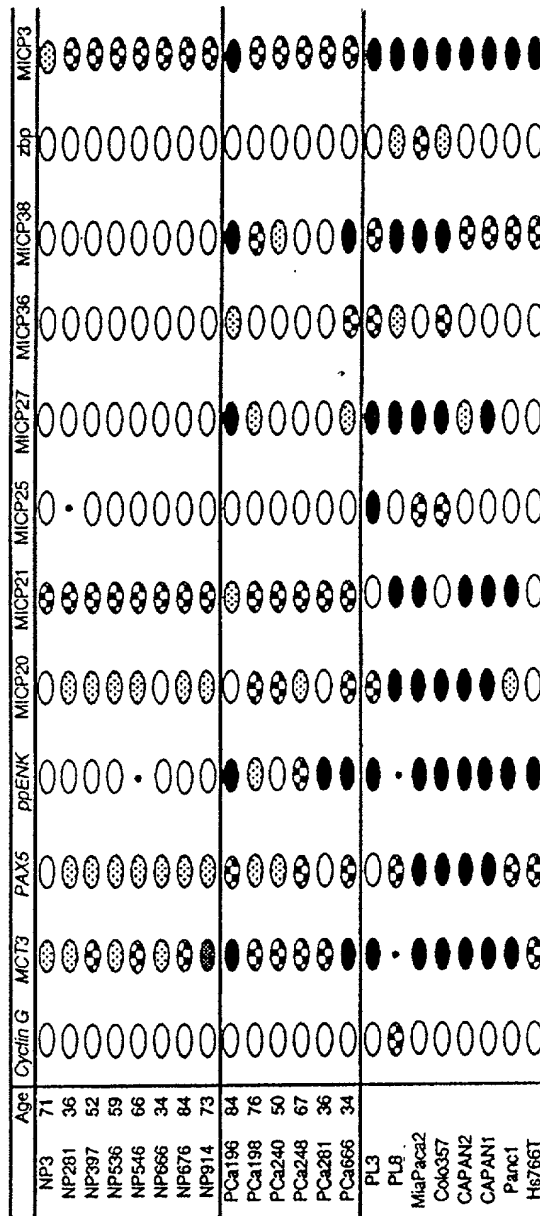


FIGURE 4

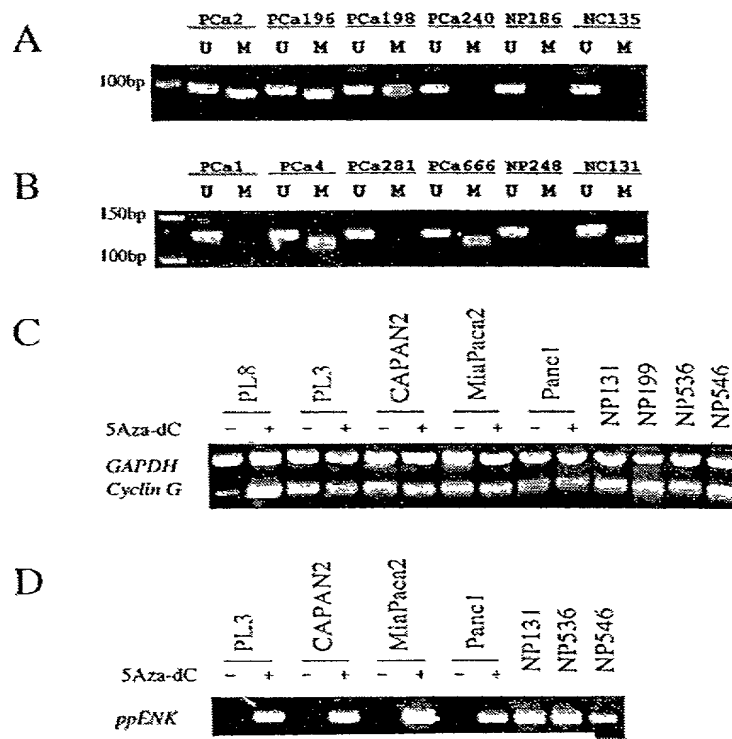
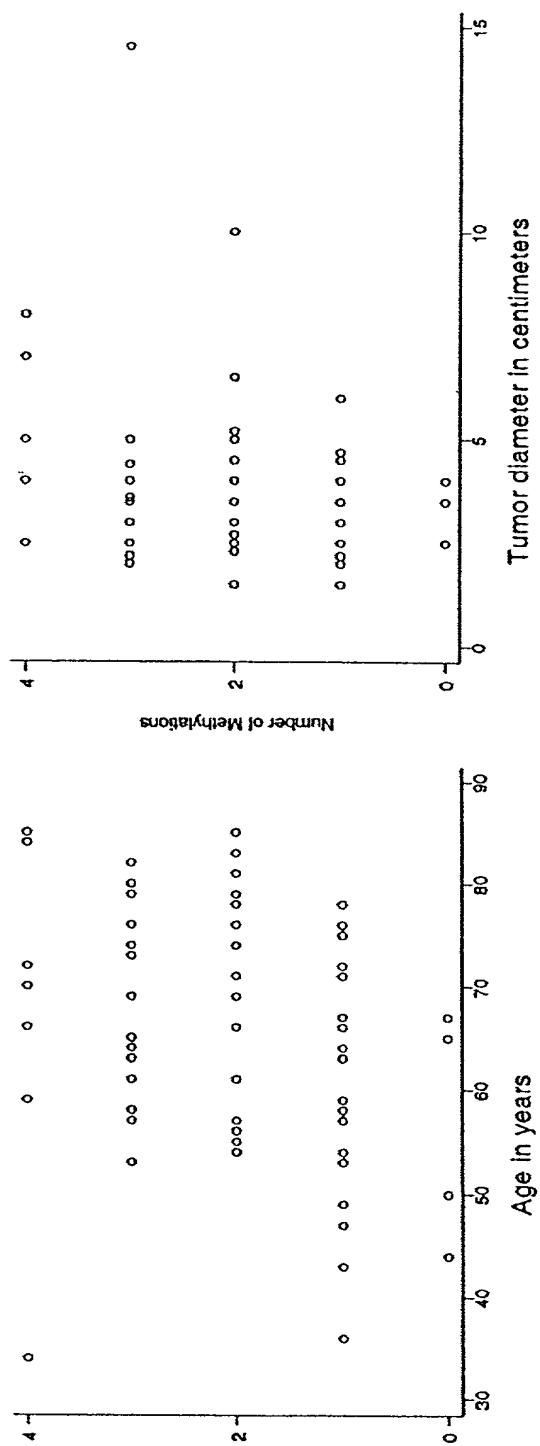


FIGURE 5



**FIGURE 6a**

PL3-17, CSX, MINT23 MICP1 (SEQ ID NO:1)

cccgggcccggccctggctcgcggaatggcgccagatctcaggccctgcgtgcccagctcagtcaccagttccaaccgggg  
gtgcccattggactctcggaggcactcctgggggacagctaagacaccaggctgcaggatcactcattgcacgctgcataatgcc  
gccacaaactctccgtgcgaagaacaacgcgcgtgggacagaaaaagtcttaggtctccgaggagtgaatgcaaaatccag  
gggactcagggtcatgttgggagcccccttccccccgagagtcaggagctgttgagggtgggacggtgagggtcgcgccacgcg  
ggtcccttccctaccaggtcggataccatgcagcgtggacactcccagttgctctgcggaatcccggg

PL8-13 cyclinG micp2 (SEQ ID NO:2)

Cccggggaggggtggttaccgctgaggagctgcagctctgtcaagggtgagtgaggactgcgcgagagttgaccgccagtgcgggtg  
gggagctgggttggggcgcggggcgaggagtaggtctgccccgcgccctttccactaaactctaccgctgttgtgagcacaag  
cccaggctagtccgaggtgaggggcgagcgatccggcctcctgaggtgcctttcgtctgccgaccagtcaccagggacta  
gcctggggaggaagaatggaaccctgcagttagaggttcctcacatgactagctctgaagacctcctgccttctgtcttagttggtg  
gggagggaccttccatgtatccagggttagcttgcgggg

PL-3-12 MICP3 (298 bp, ECEL-1)(SEQ ID NO:3)

Cccggggagagctgatcccgacaggggttccgaggaggtaaaggaagctccctgggtgaaggtagctctgcgcaggcgctgtgc  
gggcagcccaggcactccgtcagcgccctctcaatccttagaggagtcctccctgggtggtgctccagggtgtgggtggtgacct  
gacggccccagctgcgtagctccagctcctttcaaccggttggtggcggttccgagtggggacacgggatcggaggggactcct  
gccgggtgtaccgctaccctcactagtcggggatgcg

PL3-9 309bp, micp4 gad1 AC007405 (SEQ ID NO:4)

Cccgggacagagagattgcgggctaattcgggtagatcgaggacccacagagaaggggcccaccggccatgcctccacaccctc  
ctccgacctcactctagccccgcgcgcagtcgcacagcaactcgggcagcgggtcgactacggccctggaaaagtaacag  
gttaccgttctagtagcgcttcgggtgctgctgccagcgcccttggagggacagggctcgcagcatggaagctcaaggga  
aatcgctcttccccacttcaactagagcctcagcctccgtgcttccccggg

PL3-18, 2<sup>nd</sup>, ICAM-5 (630 bp, MICP5)(SEQ ID NO:5)

Cccgggagcatgcccgcacttaccgctgcgaagccaccaaccctcggggctctgcggccaaaaatgtggccgtcacggtggaatg  
tgagtaggggaccgcggagttaggcaggatctgtgggacaacccggctggacttctggccccgtgtgagccctgcaatcctg  
ttccagatggccccaggtttagggagccgagctgccccagcaattggacatgggtggaaggatctgggcgctgtttcctgtgagg  
tcgatgggaagccacagccaagcgtgaagtgcgtgggctccggggcaccactgagggggtgctgctgccgtggcaccaccaga  
ccctagtcacagagctcccagaatccctagagtcctggcaccgggtatctacgtctgcaacgccaccaaccggcacggctccgtggc  
caaacagtcgtcgtgagcgcggagtgtagcgcaggcccaggcgggtaggagcaggggtgccccacgggtccaggcactccctga  
catcccccatgggtgtttgcagcgccaccggagatggatgaatctacctgccaagtcaccagacgtggctggaaggggctgaggct  
tccgcgtggcctgcgcgcccggg

PL8-9 308bp, micp6 AF132611 MCT3 (SEQ ID NO:6)

Cccgggtggtgacctgcctgcccacaggccccgtgtccagcatcctcgtgacctgttgggtgtgccccgtgatgctggcggg  
tggtgctgtggttccgcggcatgacctagcttcttgcacgccttctggagctctacctgacctggtggtgctcacaggtga  
gggccccctggtctccttccgctgggttgggggtcgggggttctgtgcaagatctgctcctgggttccctatgaggggacagcttccg  
aagtcctcgggtgggttcccggatctgctgggttcccggg

## FIGURE 6b

P18-17 548bp, micp7 pax5 (SEQ ID NO:7)

Cccgggaatccacagccacatttcgattgtggcgaaatctgctcagtggtctgcgatgtccagttgccgccggggccccctttcc  
tcgagctctaggtcttccccctaggttgcgaccagcctcgtaccacccccccaaaaaacaacaacactcttctgaggacgat  
tcaacttccaaaactgcattgtccggcgggcccaggagctctacggacgcgtcccgcctgagacttccctcgagccaccgctgcagg  
cccacggcttcagtggttaggcccagcagctgaaccaactcaaggctgggggggaacaggaggaggcttgagtctggcccgaag  
agagagggttgacatgccacacctctgctcggtctctgtgatctgatttctctctggaatcaagtcctggggctctgggactccaca  
acgtctcagggctcgagggcaatgcgattccacttacggccggggtaagggtgtctggaactcccgccaatctccagaaactactgag  
atgttctgctctgcccggg

PL3-50 255bp, micp8 ppENK (SEQ ID NO:8)

Cccgggaaccgcgagcgatctgagtcgcctccacgtctacataaagctgtcgccgggaggggcggggccccagaaaggagca  
ttcttgcgggcttttctcgacgatccccctgctgaggctgtcgcggcgagggtcctgccgagggaccccgcttctgcgccaggcagg  
ctcgaagcacgcgtccctctctcctcgagtcctatggcgcggttctgacactttgacttggtgctgttctcgccccggg

PL3-3 431 bp, MICP9 (SEQ ID NO:9)

Cccgggcagagctcgagcgcctccatccccggaaccaggggactccctggagtgtccgggtccaggctacgacgagggcgccc  
ccatcccttggggccaggagagggatcgagacaccaggagggcctcggggctgggtgaagatcttgggtccgggggtccggga  
gagatccacctcccaatccccgactccagggtctgaccaagaatggaggtgcccccttccaggcctcgagccctctgagcg  
cgaggccggccgctacaggtcccccgccgtggcgaggacctctattcggttccctacgtcaccgctgtccggcgctggga  
actgggctcctggaatttctctcctggggctgacagatggccctcttcttctctgcggcagcctcgccatccccggtccccggg

PL3-14 MICP10 (600bp) (SEQ ID NO:10)

Cccggggacggggaggaggagggtgccgggatgtgaaccggggaaggcagctggggctggagagcagcgcggaaggg  
ggccccaggagctggaaaggggccaaggaggggcaagggaaggtggcgggcgacggggagaggaaagaaaaagggtgtctt  
ggcggtggccttggtaagagaaaggggcaagggtataatfgacaaggcactgaaagtattgaagtacagaccttgggaaggatcta  
ccgaactctcgcggtccacgcggggacagacctagcccgtgagccttgagctccacgcggggacagacctagcccgtgagcc  
ttgagctccacgcggggacagacctagcccgtgagccttgagctccacgcggggacagacctagcccgtgagccttgagctcca  
cgcggggacagacctagcccgtgagccttgagctccacgcggggacagacctagcccgtgagccttgagcccagaaggagtgg  
cagcctcaggacgttggcaggtggcctggaatgtgaggaagcctcagccccgccagggaacagagctggcgctgagttccggct  
cgccccggg

PL3-23 359 bp, MICP11(SEQ ID NO:11)

Cccggggcgacgggctgaggggtgggtctcatcgcaggggcgccgggagcctccccgctcgcgtagctcaaccaaggaccg  
ctcagaggggctctaccctgaacctcggttttctaaaggagcgagaccagattcccttctctctcgacgtcttgggttttctgttct  
tttgcactgagcacggcaatgcgcagagctcagctctcactgctatcccgatctgtaacctgaggtgagcccgaagaccgtgc  
cgccggcgccaccccagcgcggtccgctgaggatggaaacagcaagtgcgcggcgccaggccgccacctctccctctcca  
acagccccggg

## FIGURE 6c

PL3-25 370bp, MICP12(SEQ ID NO:12)

Cccgggaggtagcgggagattgcacacgcgatcctgcgagtttccgaactttggaagatcgtgacccggagagacccttgggagga  
gaggccggccacctcctaggggtgctgttttttaagggtcaaccaggacgctacgggaagcacctggcgcatccttgaacagt  
ggcttggtggccaccgcaacgcctggcgggaagggaatggcggggcatcgtgtgcctaatggaccccgtcacagaccgccccaa  
tccgaggggaggatgagctcagaggacctgcccaggacgctccttccactttccagaaaaccgacggcgtgcgcgcctccgtgt  
cctcgcggagctggggtccccggg

PL3-32 324bp, MICP13(SEQ ID NO:13)

Cccgggcctgggctgtgccagcccgccctgccagtctcgccccattctcgtacggagggatgcggcgcctggggcctgaagc  
tccggcggttttgagaagttgaagtcagccgcgatgatatctccacggcgccggggatggtgaaaggggttgtagcacctgc  
tgctcagactgaagtgcgactccgcgttcagaggcgtcgggctgctgaacaccgggagctactacgagcacgtgaaggtgagctgct  
tggcgcctcccgccgagccccgctgctcgccctccgcaatccgcagtcctaccttccccggg

PL3-49 392bp micp14(SEQ ID NO:14)

Cccgggaaagacctcgagagaccttctcaacacgtctccaggccagattcccctaccatggctcgggagcaatgacgcgctcccc  
tcgacctcgcatggagacccgacttccctggcgccccacgagaggctcactgacctcgccgctgactcgtgagagaccgcacct  
ggggcgccgctcgagacaccgagattccccgacccgagagcttgaggccttcgtctcctgcatggcctagagaccaatcgcgacct  
gtcctcaaacgcccctcaggaggcttgactcccttgagtcgcccagtgagctccaagagatacccgctcgcatcagagcagagcg  
gggttcttgcttccactcgagatgaatgctgtctccccggg

PL8-1 358bp, micp15 AP000913.2(SEQ ID NO:15)

Cccgggagaggcgacagcctcatcgtttatttctcccttgaccattgttcagcgactctccctcgttcagcatccaggttccttacg  
gctacagtgcgccagccccgcctcaccagcgcgacattctgcctgctaccactcagacacagtgccttttcggttcttcaaactg  
ctaagcggtttctatcgatatctgcaggtaacagatggcagcgctctcaaatagggtaatcgaggagggtctaataaaggaactatttc  
aacagcgagtaggcgttagggactccagtaggagtagggctgtgtcccaggatactaacagcaggcgccctggcgccccggg

PL8-5 545bp, micp16(SEQ ID NO:16)

Cccgggctgtgcggagatgcgcaggcttggggcgccgttcaggagggactgggaaaggatcgtgccctagggtcctgtgtgcg  
aaagggtgcggcgagcaggtgggatcagggtgaggtccgctggcatttatgggtgggtggtggaaaattggaaagagtttccgg  
ggagttgtgaagactccggaagaagggtctgtgaaggcggtgtgtgaaaggatgtaggggaatgacagagggtgttttaggg  
gtccaattgggtgaggtctgggggggaagatatcgagagggtcatgggccaggagtgacgtctaggagttgatgggtaggcct  
gagggttcggagaaggtgcggctcggggaggagctcgcgattgagttgtcggggcggcggggaagctgacagctgcctctgtgtg  
ctcaggaggcgactccgccggtgcagccgccccgacgcgggaggaccgggcctcatcgtccgggagcgctccgcgtcgcga  
ggccgcggcgccgcgctcctcatccggg



## FIGURE 6d

PL3-16 MICP 17(510 bp, MINT 20) (SEQ ID NO:17)

Cccggggggcgctgaggttgcccttcagggcggaggaggcgaaccctgtagcccgacaacgccgggcttcgattttgaggagcttc  
ttccgggatgtcgctatactggccggagacgggccttgctgtccattgggggatggcgatggggaccagttccgggtagagaagg  
agataactcgatacaggaacgcacaggcagcctgaaagcagcccaggatctcgacaggggaagggaagaccctgctccctttgcc  
aaatcctcccgccctgctcttgcttctgtcccagatcccaagcccctgtacctgcactcgggactcggtcagcccgatacgcagtgc  
cagctcctcacgcataaagatgtcgggtagtgagcttggcgaagctccttccaactcgttgagctgtcgggggtgaagcgcgtc  
cgggtggcgcttctgcttctgttggccctgctgctggccggcttggctgggggtcgggcccctggggcccggg

PL3-8 386bp, micp18 AC005998(SEQ ID NO:18)

cccgggaaacagttcaggacgctcaagaccagaagcgggagcaaaccgaaaaggagctccaaggaggtgtgtgtggggagagcc  
agggggacgcaggactaggtctttcctgcgaaggggtggggaacccgcgaaagccaggagtcgcgcgcactcacgccctc  
gcgccaccaggcagagccaccgctgcaaggagcccacgggtgcgcgctcgtccaggcggtatcttccacacccccctaccct  
caaaagctcaggctggagcggatcagtgccgactccggcacccccaccaccagcagggggtaaggaggaggtggcgccact  
cttgctacagctcctgcgcagggtccagccgcaaatcttccggg

PL3-33 514bp, micp19(SEQ ID NO:19)

Cccgggctgaatggtagacgttctggcgccgggcagcggccaccggctggttcccacttccgcgcgcacccctaaactgtgttcta  
gaggccccagcctcgcttgcagcgccctactagctcctgaggactaggactcggcggtgaggcgggttggcggtcgaacgag  
ctggcgcttctgttctctcgtcgtcgttggctcagctggccctccacagctcggagcaaggccatagcaggaggtggaggtat  
attgggctgtcacctccttgcgtggcgaggtattttagactacagactcggagaacagacgcgccacgctctcgttggcattgcttc  
ggatcgcagctcctccttgggggtccccagcttggcggttatttgcctgcgccaggctctggcnacggtcaccgggccagcggggag  
ggacggacggcaggtgaccagcctctgctgtgaagaaattcctgcgcgcccggagctgtccctaatgcattcccggg

PL3-51 279bp, micp20(SEQ ID NO:20)

Ccggggatcgggagcttgaggtgagngctcggcgtgacctgtaggagccccgcgggtagagcggcgctgccccctcgtccg  
gggtgaactgaaacttctaggggagagggtcggcgccagcctcgggggtcggagaagaccagcgtgtgcgaggtcgggg  
ccgggcaggcagagcaggggtgaaaggagagacctgtaatgacggcgggatttgggggtcggagggttcgaggagggggc  
gcaacctgaacaattgcattcccggg

PL8-21 422bp, micp21(SEQ ID NO:21)

Cccgggtctggcttggtctcgcgcagatcccgttcaactcagctgccaccaagtgcgcctttctcttgattgcattctgca  
cgaattttcagttgagggtggttcggcgctcagccagcctctgcccctgaagacgcggccttggctaggaaccttcaggtgggtgtt  
gggcgcagtgccctagttccctagaattcgtttgctcccgcggcctcagccgcgtggtcagcgagctcgcgagaacgcagctgg  
gcagctcccggagcgtctcggcgcttctagggagcagtaaaagggttgcgaggactgccagggtccttctccctaggttccac  
actggatggccgtaactcagtcgttgacggcgacagccaggccctgatggactgtcaggtcccggg

## FIGURE 6e

PL3-18-2 mint32, 464bp, micp22(SEQ ID NO:22)

Cccgggtacctgcacagctcgtccctcccatccttcgggtcttcgctcgaacgtccgctcctcggtagggccttcctggacaacgca  
tttgaacgtaacccaaggcaagaagccaccttcaggcgcgagccgaagcccagtgccaaggaggccggagactcgggtgcc  
cgcgcaccccgaacacagcctctgaggggtcctctgagcatccttcagcgtgtttgggaggcaaacctcgttactagctcttgagagg  
agtggctagaggaaatccaggcggggaaggggacgggtggactccaggagagtgaatttacaagcgggggggcggggacgcca  
ggctccgagtcaggactctgcggcgacgttcgcccgccttcaggctccctgcccggctcctgtacctcgcggggtccggaga  
acctctgagcaccggccccagccccggg

PL3-4 257bp, micp 23(SEQ ID NO:23)

Cccgggatcgggtccccgttagtgggcacaggacgccgggtgtccgaagggtgcctggagatgcaactgacctggcgggcatca  
gaatgacgagtgccagcagcaggagcggggtgacgaacaagatcacgaaggacttgaacttgagacatagctcagcgccgagg  
ccatcgcgcgggaggagactggcgggcgagacgagtgggggcagctagaggcgccgcgggcttaagaaggggccacagt  
ccccggg

PL3-5 350bp, micp24(SEQ ID NO:24)

Cccggggatggcgcgccaggtaaggcaggcggacgcgcggaccctcggcgagtgcgggccccgaaggcggtagggcgaga  
aagagctgggaccccccgcaacttcgggatcggctgggtgaggctgggcaggcctgatgctcaggggttcgtgccgggaagtca  
ggctcctggacaacctctctccagctctccgcccgggtacccacggcccagctcaccctggggaaaccccttggcgtggctgttt  
cgttacaagttatcctggtagagtgggcataaaggcctcggaggcagtgagtaaatctcatacttctgttcttgggtgaatcctggatccc  
ggg

PL3-6 337bp, micp25(SEQ ID NO:25)

Cccccgggtgccggctggagccccggcagattcgtcgcgacactccccctggatatccagcgccgaaagtccccctccgcag  
ctgaaggctcctcctgggctgcgcgggacagatctttctccttctggctacacgcctaacagagaagctatcccaggggacctca  
agaagtcccccaaagccgtactcaaaagcctttctcctcctcctcaagcgtcacttccccaaagaggacccggaccttactgcct  
gagccagggtccccagcatggctccgaaccttctcactccggcatccacctccaggctgacgtctaccggg

PL3-11 MICP26 (229 bp) (SEQ ID NO:26)

Cccgggggaaagagatgagtggaaatcgtgggccggacctgcaaggagagactcggcgggcaccttgcttggtctgaggtcgtct  
gcaggaagcggactttctcctggctcaggatgggaaagacaggggatcctgaagtcaacggggacttctgttccatctctgccccgt  
tctccaggccccgagttttcctgcttggtagattttccaacgtatccccgg

## FIGURE 6f

PL3-13 MICP27 (427 bp) (SEQ ID NO:27)

Cccggggctgctgaccgagccccagggcagccccccctccccctcctgaagcccacgtcttctcatggctccgtctaccggcttc  
ggagaccgctggacttttcgccgctccggaaccctatatgaggaagcaaategcgtccgccacagcctccaactaggaactccg  
cgactctcagccccctcagaagagaacggagacgcgccaagcaaagccgttacaggactgtgcacgcgctccgggttcctgcg  
cgtgacacaaatttgccccgagggagctccatgtgcctgagtcaggagccctagatgccagcgacagctgtcaccaggcctgc  
gacgccaatggcggggagtcggcgagctcaggacactgacgacgggcctgggggaaagcgggtccccacacagccccggg

PL3-19 (470 bp, MICP28) (SEQ ID NO:28)

Cccggggacagggggacccccagatgctgcacggctgacaggccaacgtggcagaagctccagcttcacaggaagccagtgacc  
atgagagtctgtagctgtaacgaagccacagagctgtggctttcttccccctcagctctaggaaggttatctgcctgcacagatctcc  
ggaggcctggtgggtctgagagcatcagactgattatcgtagaaataatctctgcagacacattcctgctagaagcaggggaca  
aagcccagcttcaaagacaattccacacagccctccctgcctgcacagctgcctgccgggtgggagcagagccctgcagccgg  
gtcaggggctgggcaggacagcgtgtggcaggggcacagctgagacaggagcctcaaagcgacaccaaccgacgtgaag  
ctacagttgaggagacacagctgccccattcccggg

PL3-20 (bp 264, MICP29) (SEQ ID NO:29)

Cccgggcgggcgccggattgcgggtgggtgagaggcagcagacgccgtgtttacagctctctcgctagttccacctcagccgcg  
gtcttagggctgagccagtcgctcctctttaaagattctgtgcacagcaggggctgggtttctaaggcaggtttctaagggtgtctctac  
agacaccgctgctgctaccttgctaccttcagcgtgggcacagccaggggcagcgcgagagggaggcaacgagagggttcccg  
g

PL3-21 (bp 371, micp30) (SEQ ID NO:30)

cccgggacccaatgccaggagggggcctgcaggaccccagcgggtgggcgagttgtgtcctgggtcaccttgtttcgacgcgtg  
gcgggtggcaggagcccagcgcgggaggacatttcatagcctcctacagtgagaaacgccccacccgacgctgcgctcatctgtg  
tccccgtgttgccggggtctgtgtatccacttgcgcgccctatgtggtggggatccaccagagcccagcgtcaagttatacgggcg  
cttcactcagcgtcagccaagaccagggaagcgcttcttgcggttaggagacgtctgcaagagataaaaagctagcccacgatccac  
ccacaatcctcgtgtccccggg

PL3-22 bp 179, MICP31(SEQ ID NO:31)

Cccgggaactcgcggcacccactgggtattgtcgggacccagcaagtctaggaacgggggtgggttagagcatccttcgggcactg  
ccgttcgtcccaaaaagaagaccaccgcgggggtcccagggccacggcgaggacgggcactggtcagattccggacaggcgggtcct  
ggccccggg

## FIGURE 6g

PL3-34 445bp, micp32(SEQ ID NO:32)

Cccgggctgtgaccagcgaattcgggccccgcaggtgcagctgataggagaaatccggctccgggagcgaacccagcggcgga  
aggcgggctccgcgccagggcgcccttgactgcaagaaggcgaggatgcgcgctacttcgtgtccttggtctcatcgtcacgtg  
tgagtatcgaccaggtcatcatcgacgtggtaccatagtgaagtagttggcaaacctcgtagagtctgctggaggaaacgagccgc  
cgtaggacggacacacctgagtgccctccacgcgagccaaagcgggtgcagggcacctccaccacatttctggccaaagtc  
ccattgagggccgcctctcctctgcgcagtcttagagactggcgaggcacgcgcaaacgcctcttccctgagacctgacccacc  
caccacccggg

Pl8-2 357bp micp33 AC002133(SEQ ID NO:33)

Cccgggggagccccggaccccgcatccccaggggcggaactggcgaggccccaggagctccatttatagctcagttccac  
tgagcgcagtcctctaggacctgggctgagcaagtttccactctccttccctcctcacccttgctgcccccaacccg  
gcagggcgaggtgtccaacccagccgggacccctccctcctcgaacccaggtgttcggctcccagaccccaattgagctggg  
gcgccaccgcgggggatccgcctgcgtccccattcatccgcgtcagccgggagtttcaacgggaagaggcgga  
gctcccg

Pl8-3 312bp, micp34 AC005826(SEQ ID NO:34)

Cccgggaggagagttggggcttgggggacgccgtgaactccatggtccccagcacgcggtcctggccaggagcggggtcgtccg  
aactccgtccagattccccaggagacaaagaccgaaacacagctcaaagttccgagagcagtcacagcggggccaggagc  
tccagaagtgtcagctccaacgactccagagctgcacactggcctctattccccaccgcaaagccccagagccgcagagactcga  
ggcagccggagaggagaggggccaccgagcactacggcgggtgcgcacgccccggg

Pl8-6 372bp, micp35(SEQ ID NO:35)

Cccgggagcgggctcgtggcgccaggccacgctctctcattaacatccgctccgggtggcgaggggagcggccaaagt  
tctcgcgaagtggcgagcgaaggagcgtgagcactgacgtctgggctggggaggagcgggtccgagcggagcgggagagg  
gacagagggaaggaggcgggtgtcttctcaggaattgagctggggatctgcatcctggccattgcagtccttagcatcctcgc  
gcccctgagcgcgtggaggctgcaggtgcgcccctccagggtgatgcgcgtcctgctccgcttctgggacgtcgggga  
caaaagtggaggagcgggagagccggg

Pl8-7 399bp, micp36 AF132611(SEQ ID NO:36)

Cccgggctgcgagcgcggctcctggattccagcctcccgcccttccaggcgctggaatggacacggacgcccacagtggcgggc  
caggtagtccggagtcgggggcccaggccgcggcgccccgcgctcatcacttaccttgcttagctatcaattccatgatgtagcc  
aaattcactcatctccccagactccgacatgtttaccccccttcaaaactctggaggaccgacgcgggtgtatcgaattgtccttctt  
ctcttttctgttttagctgagtttgcgagctccccgccataagctgttaaccaggaaaagagggggaagcgggggaaagcaag  
aagcgggcttgggtgaaatgaaggccatcgagggtccccggg

## FIGURE 6h

PL3-31 307 bp, MICP37(SEQ ID NO:37)

Cccgggcccgggtgcgcaccgggtgccgacttggcagccgccctgtgcgctcgacgaaagggtgagaaggaggcaggagtgaggc  
cggaaggagtgaggcaatcagcggcggggacgagagtgtgtcttcggggaaccaagtctgagtgcgctgaaggggagtggtgcg  
gagcgtgccgtgcaccccgagcccccgccctcattgcctctcgctctctccacctgccccatgatctgcgccagggaccggctcct  
cccgtccgcagctgtctaggtggccgttctggttgcctgggacccccggg

PI3-37 331bp, micp38(SEQ ID NO:38)

Cccggggccacctctgaggcatgaaccagagacgcgcgccctggcttgggaaagcaggaccgctgcgccagcgcctcaggg  
gtagaggcgggaacaggccccgggtcgttgcgtggcgggggaagggcgatctgacgatcaggagtggtgcgccctctctctgg  
gcctcgtgaaggaaacagagcaattacagcgtggcgccggccacgtagtctggggctaggtgggccccaatgctccgggcccgg  
ggctggagcgcggaggctggagaggaggaggaccctccgcggctccaggtctccagctggaggctcacgccccggg

PI3-43 304bp, micp39(SEQ ID NO:39)

Cggggcccgggtgcgcaccgggtgccgacttggcagccgccctgtgcgctcgacgaaagggtgagaaggaggcaggagtgaggc  
ggaaggagtgaggcaatcagcggcgggacgagagtgtgtcttcggggaaccaagtctgagtgcgctgaaggggagtggtgcgga  
gccgtgccgtgcaccccgagcccccgccctcattgcctctcgctctctccacctgccccatgatctgcgccagggagccggctcct  
cccgtccgcagctgtctaggtggccgttctggttgcctgggccccggg

PI3-44 307bp, micp40(SEQ ID NO:40)

Cggggggtcccagcaaaccagaacggccacctagacagcctgcggacgggagaggaccggttcctggcgagatcatggggc  
aggtggagagaggcgagaggcaatgaggcgggggggctcggggtgcacggcacgctccgcacactcccctccagcgtcactca  
gacttggttccccgaagacacactctcgtccccgccgcgtgattgccactcctccgcctgcactccagcctcctctcacccttctgc  
gagcgcacaggcggctgccaaagtcggcaccgggtgcgcaccggccccggg

MICP41 also known as PL-3-2, 43(SEQ ID NO:41)

Cggggcccgggtgcgcaccgggtgccgacttggcagccgccctgtgcgctcgacgaaagggtgagaaggaggcaggagtgaggc  
ggaaggagtgaggcaatcagcggcgggacgagagtgtgtcttcggggaaccaagtctgagtgcgctgaaggggagtggtgcgga  
gccgtgccgtgcaccccgagcccccgccctcattgcctctcgctctctccacctgccccatgatctgcgccagggagccggctcct  
cccgtccgcagctgtctaggtggccgttctggttgcctgggccccggg

## FIGURE 6i

P18-19 479bp, micp42 3' of FLJ00083(SEQ ID NO:42)

Cccgggttcctggcttgaacctgtttctccctgttctgccaggcatgctggtc**cg**gaaggtgtgtngctgtnggcittaggtgggtg  
cagcc**cg**tccca**cg**tca**cg**gc**cg**agctctgtttcctgggctggggacagtgaggtc**cg**ctgccatcctggagctctggctcctt**cg**  
ggtacctgttccctctcccagagagacccccagctgcatgcaggcctagtgggctcc**cg**gc**cg**gagctgggtcccaggctacctgggt  
tgccacctctgtgggtcc**cg**gctgccctct**cg**cag**cg**cc**cg**ctacttctcaccctcttggccctgcattcc**cg**tctcatggagccaa  
**cg**agagcaggggggttgagcccttgtggaaatctggggaggcactgcttctccctccatgtgagcagcttcaccagcctggggtcag  
tgctta**cg**ctcc**cg**gc**cg**gcctggccttcccc**cg**gg